**AI Course and Schedule Recommender**

**Project Overview**

This is an AI-powered course and schedule recommender tool that aims at solving the challenges students face in academic planning. This tool integrates personalized recommendations, data-driven insights on course difficulty and usefulness, and compliance with major and graduation requirements, creating a seamless and efficient experience for students and academic advisors.

**Identifying the Problem**

Students often struggle to choose courses that align with their professional aspirations while balancing workload and degree requirements. Existing tools like Stellic Planner lack personalization and do not incorporate community insights or real-world feedback, making it difficult for students to make informed decisions without extensive research. Current challenges for users include:

* Difficult manual process to resolve scheduling conflicts and optimize degree planning
* Limited visibility into course relevance and difficulty
* Inability to effectively align academic planning with professional goals

**Proposed Solution**

Our AI course and schedule recommender bridges this gap by combining institutional data from course catalogs and degree requirements with community-driven insights scraped from course evaluations and forums like Reddit. It leverages machine learning to deliver tailored course suggestions and optimized schedules.

**Key Features**

* Degree Progress Tracking
  + Automatically ensures course selections meet major and graduate requirements based on criteria provided
* Schedule Optimization
  + Resolves time conflicts and balances workload for each term and across school years
* Community Insights
  + Aggregates feedback from UChicago course evaluations and Reddit to provide ratings on course difficulty, workload, and professors’ instructional abilities
* Personalized Recommendations
  + Aligns course with professional interests and academic history
  + Factors in constraints like schedule availability and workload preferences

**Target Audience and Value Proposition**

* Primary Users
  + Students: save time, reduce stress, and receive actionable insights for academic planning that better aligns with career goals
* Secondary Users
  + Academic advisors: leverage the tool to streamline advising and improve student outcomes
  + Universities: replace outdated planning tools like Stellic Planner with a personalized, AI-driven solution to improve student satisfaction and gain actionable data on course demand

**Metrics for Success**

* Recommendation accuracy: achieve 70%+ suggestion acceptance rate for recommended courses
* User adoption: ensure that 50% of students on campus utilize our tool to replace manual planning
* Feedback integration: regularly update models based on user activity to continuously improve recommendations